

also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Mobile, Ala.....	15	60	se.	Pensacola, Fla.....	15	70	s.
Mount Tamalpais, Cal..	16	53	nw.	Bridgetown, Bar.....	20	52	s.

SUNSHINE AND CLOUDINESS.

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

The averages for the various districts, with departures from the normal, are shown in the table below:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England.....	5.6	+0.6	Missouri Valley.....	8.8	-0.8
Middle Atlantic.....	5.6	+0.6	Northern Slope.....	8.0	-0.7
South Atlantic.....	5.5	+0.8	Middle Slope.....	8.8	0.0
Florida Peninsula.....	6.0	+0.6	Southern Slope.....	8.7	-1.1
East Gulf.....	5.4	+0.5	Southern Plateau.....	2.9	-0.5
West Gulf.....	3.8	-0.6	Middle Plateau.....	3.6	+1.4
Ohio Valley and Tennessee.....	5.1	+0.6	Northern Plateau.....	3.1	+0.1
Lower Lake.....	5.4	+0.9	North Pacific Coast.....	3.8	-0.6
Upper Lake.....	4.9	+0.1	Middle Pacific Coast.....	4.1	+1.3
North Dakota.....	3.7	-0.2	South Pacific Coast.....	2.7	+0.2
Upper Mississippi.....	3.5	-0.6			

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 5,892 thunderstorms were received during the current month as against 5,930 in 1900 and 7,732 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 22d, 286; 20th, 282; 23d, 280.

Reports were most numerous from: Colorado, 350; New York, 273; Nebraska, 257.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz: 27th to September 2d.

In Canada: Thunderstorms were reported as follows: Halifax, 26; Yarmouth, 25; Charlottetown, 1, 11, 16; Father Point, 15; Quebec, 3, 8, 23; Bissell, 15, 16; Ottawa, 22; Kingston, 30, 31; Toronto, 8, 15, 20, 22, 23, 26, 30, 31; White River, 12; Port Stanley, 15, 19, 23, 30; Parry Sound, 10, 15, 22, 30; Port Arthur, 7, 12, 13, 22, 28; Winnipeg, 10, 28; Minnedosa, 17; Qu'Appelle, 22, 28; Swift Current, 10, 27; Banff, 2, 25; Battleford, 4, 5, 8; Barkerville, 8.

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Professor of Meteorology.

For description of tables and charts see page 320 of REVIEW for July, 1901.

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